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ORANGE COUNTY AMATEUR RADIO

VOL. XXXVII NO 2 P.O. BOX 3454, TUSTIN, CA. 92681 FEBRUARY 1996

The Prez Sez...

A Club Loss:

Last week the Orange County Radio club suffered a loss with the death of one of our long-time members, Wyatt Berry, WA6BPX. Wyatt developed complications from knee replacement surgery, but after a long hospital stay recovered enough to be moved to a rehabilitation hospital. Just when things were beginning to look up, Wyatt suffered a set-back and was re-hospitalized. He passed away Sunday morning.

Wyatt, who turned 90 just a few days before his death, was a very active member of our club. He rarely missed a 2 meter net and was often heard on the 15 meter net. His regular presence at the club breakfasts, accompanied by his wife Blanche, was always a treat.

I can't remember when I first met Wyatt, but memories are strong of a group of club members helping him put-up some wire antennas. Art, then WA6LHB, Kei, Ken, Don, W6EQY and I gathered one weekend day at his Garden Grove "dirt farm". I guess the antenna raising was successful, but what is most remembered was the hamburgers that Blanche cooked with Wyatt's home-grown tomatoes, lettuce and avocados on top. And the comraderie we all shared that day.

Wyatt Berry, WA6BPX, January 22, 1906 - January 28, 1996. We'll miss you.

ANNOUNCING THE FEBRUARY PROGRAM!!

FEBRUARY 16th

APRIL MOELL - WA6OPS

HOSPITAL DISASTER COMMUNICATIONS.

MORE THAN AN ANTENNA ON THE ROOF

1996 Board of Directors

President.....Bob Eckweiler..AF6C.....639-5074
Vice President...Ken Konechy....W6HHC.....744-0217
Secretary.....Chris Breller..KJ6ZH....310-866-2077
Treasurer.....Bob Buss.....KD6BWH.....534-2995
Activities.....John Meacham...KJ6TK.....842-4702
Membership.....Tom Thomas....WA6PFA.....771-2917
Public Relations..Frank Smith...WA6VKZ.....838-3180
Tech Commitee...Larry Breilin..K6VDP.....557-7217
Member at Large..Cindy Hughes...KC6OPI.....971-3448
Member at Large..Kei Yamachika..W6NGO.....538-8942

CLUB APPOINTMENTS

Club Historian.....Bob Evans.....WB6IXN.....543-9111
W6ZE Trustee.....Bob Eckweiler.....AF6C.....639-5074
RF Editor.....Bud Barkhurst.....WA6VPP.....774-6361
Refreshments.....Jane Breller.....KC6TAM.....310-866-2077

DUES

Regular Member.....\$12.00..Additional Members..\$6.00 each
Teenage Member.....\$6.00....Optional Club Badge..\$5.00 Each
Dues for new members are prorated quarterly from January 1 each year.
Family members must reside at the address of a Regular Member. One RF
is sent per house.

COMING OCARC PROGRAMS AND SPEAKERS

FEB 16 HOSPITAL DIASTER COMMUNICATIONS - MORE THAN AN ANT ON ROOF
by April Moell - WA6OPS
MAR 15 INTERNET AND HAM RADIO (A LIVE DEMONSTRATION)
by Ken Konechy - W6HHC
APR 19 (To be announced in the future!)
MAY 17 AUTOMATIC PACKET REPORTING SYSTEM
by Jim Carter - WA6HAG

Reminder -Dues Are Due

As we start a new year it is again time to pay your yearly dues. At \$12.00 the Orange County Amateur Radio Club is one of the few remaining bargains left in Southern California.

The deadline to pay this year's dues and stay an active member is the end of March. For new members only, the dues are prorated quarterly.

When you renew, please fill out a copy of the membership form for our membership chairman. This will help the accuracy of our roster. Please also mention any special requests for the roster; perhaps you do not wish to have your phone number listed.

Rerun of last month's article.

How to improve your lamp life.....Bob AF6C

Do the incandescent lamps in your rig, or other equipment, burn-out too frequently? One gentleman on packet was complaining about this recently, so I put out a general bulletin over packet that was very favorably received. It is from information acquired over many years in the aerospace testing business. I thought perhaps the members would find it of interest.

Incandescent lamp luminance and life are affected critically by changes in voltage from the specified value. To give you some idea, the calculated life of a lamp rated for 1000 hours at 12V at different voltages is:

Finally, this suggestion to improve lamp life is for small tungsten pilot lamps. Before you use it on other types of lamps and higher power applications do some research.

One reference is:

"The Scientific Basis of Illuminating Engineering"
by Parry Moon
Dover Publications, New York, N.Y. 1961
(paperback)

By the way - an empirical equation used to calculate the lamp life is:

$$\text{Life} = (\text{specified life}) * \left(\frac{\text{actual voltage}}{\text{specified voltage}} \right)^{-13.5}$$

Equation has been corrected from original printing to correct a typo.

The exponent -13.5 varies somewhat with lamp type and wattage.

voltage	life (hrs)	percent lumens
11.0	6600	61%
11.5	1780	86%
12.0	1000	100%
12.5	580	115%
13.0	340	132%
13.8	150	163%

These values vary somewhat between different sizes and wattage ratings, but they are reasonably close for small tungsten bulbs. From the data it is evident that lowering the voltage will increase life substantially at the cost of light output.

A second factor that shortens lamp life is turn-on turn-off cycles. When a lamp is cold its resistance is substantially less than when hot. Therefore, there is a large inrush current each time a bulb is turned on while it is cold. Limiting this inrush current can also improve life.

My Yaesu FT-227RA, that is used on packet, seemed to burn out lamps at a rate I felt excessive. The solution was to put a small resistor in series with a lamp whenever I replaced one. The size was selected to drop the voltage 0.5 to 0.75 volts. The drop in light output was noticeable but not objectionable. The series resistor also reduces the inrush current and adds life to the lamp in that respect too. The resistor is soldered in-line with one of the lamp's pig-tail leads. Usually, one-quarter or one-eighth watt resistors can be used, but use Ohms law to check the resistor rating (use the maximum specified operating temperature for the rig to be "professional").

Since equipment manufacturers don't usually give much information on the lamps they install in the equipment, (at least this seems true for the lamps with pig-tails) you'll have to do some experimenting to find the best size resistor for your application.

Before you start, check the schematic and make sure the lamp is not used for other functions too. This is not usually the case, but there are some clever designers who sometimes come up with unusual circuits!

Some people place a diode (1N4001 or equivalent) in series with the lamp instead of a resistor. This drops the voltage by just over half-a-volt providing longer life. The only draw back to this method is that it doesn't reduce the inrush current nearly as much as a resistor.

NETNEWS
by Bob Evans, WB6IXN

1/3 15m phone net - W6ZE/AF6C checks in HHC, NGO, NG7D, & IXN. NGO's leg is on the mend, & Kei has 50 bucks invested in an overdue passport from the shut-down Govt! AF6C's little finger still reminds Bob that electric knives are sharp! And HHC, over the sore throat & flu, encodes unbreakable messages on new software at work. IXN tells OPs that Wyatt, BPX, is doing better!...He took 4 steps today! And Blanche says Wyatt will go home in 2 or 3 weeks if he keeps improving! NG7D & family recuperate frm a Christmas voyage on the high seas with Carnival Lines on the Jubilee, where John visited the ship's radio room! HHC asks OPs if anyone has heard frm WA6RND, John, lately...Negative!

1/3 2m phone net - W6ZE/IXN checks in BWH, NG7D, UCH, RE, QW, VDP, TWA, & OPI. NG7D & fam. cruise to Mazatlan, Puerto Vallarta, & Cabo San Lucas over Christmas holidays. Food was gud, entertainment so-so, and the gambling was interesting! John will write a letter to the company concerning poor accomodations fer wheel chair patrons! UCH uses a new J-pole ant. tonite. He gets a gud report frm IXN, but weak sigs & noise reports frm VDP & QW! Jim & Larry will fine tune the ant. wid a Bird Wattmeter. RE & XYL hve daughters at the QTH over the Holidays, wid a turkey dinner frm Ralphs wid all the trimmings! A 35 ft. section of grape stick fence blows dwn between RE & neighbors which must soon be repaired. Wid the FCC shut dwn, RE has little to report bulletin-wise! BWH, at the QTH tonite, airs Newslines. The audio quality was excellent! Tnx, Bob! QW & family have Cuban food at Christmas. And Rolf toasts in the 1996 at midnight New Years' Eve! Then comes the SA winds! Rolf's greenhouse barely survives, but QW doesn't lose any orchids! QW gets a German CQ DL radio magazine today, wid an interesting 6m amplifier advertised that interests Rolf! VDP & fam. spend a quiet NY watching the Rose Parade, etc. The high winds bend Larry's ant. mast slightly, but VDP will adjust the guy lines to relieve strain. TWA & XYL spend a quiet NY's Eve, later listening to the high winds! And VDP tnx Charles fer the tomatoes & avacados! OPI wakes up during the SA winds New Years' Eve to find traffic lights out, a darkend Crystal Cathedral, and then, a darkend house! On Dec. 29, Cindy & fam. visit the Rose Parade Floats in Pasadena. OPI has IXN call HHC to inform Ken of possible speaker fer Jan. Club meeting.

1/10 15m phone net - W6ZE/AF6C checks in NGO, HHC, COJ, NG7D, IXN, & RE. The 'net before net' finds NGO, HHC, & AF6C in a 3-way chat. HHC's mom prepares to fly bk to 'snowy PA' tomorrow! And Ken tells OPs that he contacted Corky Corcoran, and all is ready fer Club meeting. IXN gets a call frm Blanche Berry and BPX will be transferred to a Rehab Hosp. in Anaheim or Tustin probably tomorrow. And IXN alerts OPs to seismic swarms in the Ridgecrest area! COJ lowers the tower due to sudden high winds, and AF6C's beam swings arnd to the North when a set screw fails, wid ZE sinking into the noise! NG7D gets a pile of QSL cards frm the Bureau which sets John up fer the SSB mode DXCC award! With propagation bad, NG7D gets no RS-12

contacts. NGO, wid 'cold feet' and healing leg, 73s and retreats to the QTH frm the shack! RE reports that the FCC has been shut dwn by the snow. Alex gives the sunspot report, and receives news that his dentist will be doing more 'house cleaning' amongst his teeth!

1/10 2m phone net - W6ZE/IXN checks in NG7D, HHC, AF6C, RE, VDP, QW, BWH, and ZH & TAM. NG7D picks up QSL cards frm Austria, T32, Samoa, + others, frm the Bureau! And John is off to get new glasses in the near future! HHC loses a pair of glasses on a recent business trip, and Ken asks IXN who held the original W6ZE call. AF6C likes IXN's Christmas card, and Bob tells OPs that SA winds hve died dwn at the QTH! And Bob asks OPs to consider writing articles, etc., fer RF Newsletter. RE says the dentist will be working in 2 mouths...his & the XYL's! BWH checks in wid the handheld, low power, frm his driveway. Once at the QTH rig, Bob airs Newslne, wid VDP commenting favorably on ARRL news urging FCC to take action against interference in the Ham bands! VDP needs glasses, too. He's using a pair he picked up at the drug store! VFC calls QW to alert Rolf of a 6m opening up north, but din-din calls, and when QW gets bk to the rig, all is for nought! And Rolf is playing wid a new PC program that allows him to draw floor plans & see them in 3D! And Rolf finds loose wires in a plug to be the problem in the Kenwood! Having just purchased \$117 worth of pennies frm a collection, QW will be busy going thru them to see if any are of value! ZH now has enuf confirmed QSLs to apply fer 5-band DXCC! Congrats, Chris! And ZH finished off 100 grids in the last 6m band opening! IXN gets his new operator's license & has it laminated at Kinkos. And Bob doesn't hear any winds on Crystal seismometer up in the San Gabriels tonite. TAM is still under the WX, & Jane must fight SS to try to get permanent disability!

1/17 15m phone net - W6ZE/AF6C checks in NGO, COJ, IXN, & VDP. AF6C continues working on the beam, tightening set screws to keep the beam frm losing its bearings in the wind! NGO forecasts rain fer Friday's Club meeting, and AF6C tells NGO & OPs that his sister got snowed in during the 'Blizzard of 96' up in Boston! Wid a cool breeze blowing tonite, Kei's 'tootsies' get cold & he 73s to the QTH. IXN gives update on BPX's condition, wid Wyatt being moved to the Rehab Hosp. in Tustin. COJ & NGO discuss a new recipe fer making saurkraut, and VDP & IXN enjoy AF6C's article in RF on preserving life of rig pilot lights.

1/17 2m phone net - W6ZE/IXN checks in ZH & TAM, BWH, RE, QW, VDP, & TWA. ZH & TAM experience strong winds last nite & this morning, wid sum ant. damage noted! TAM keeps both eyes on the TV & one ear on net proceedings! IXN says 'Hi' to IBR & IBP, and BWH airs Newslne...Seems that no-code Techs are not upgrading to higher licenses!! Newslne discusses the CETI group, and IXN tells OPs that N. CA. astronomers hve discovered 2 new planets in our Galaxy, one being located in the constellation of the Big Dipper (Ursa Major). RE discovers that an FHP auxiliary group doesn't provide the services that it says it can provide! And Alex says sunspots are on the rise! QW is a 'lil under the WX tonite! And Dennis helps Rolf sell the 850! And, its a new EICOM in QW's future if he can get rid of the 890!! And Rolf & XYL hve to find another QTH soon! VDP, getting ready fer

the G-men, cleans out the backyard shed, tells OPs abt the DeVry Swap Meet this Sat., and gets a WW2END QSL card (end of World War II) frm the U.S.S. Missouri! TWA, trying fer sum time, finally works his buddy in Calgary, Canada, on 14.260 MHz.

1/24 15m phone net - W6ZE/AF6C checks in HHC, COJ, VDP, IXN, and RE. VDP & VFC, wishing to check QSLs fer DXCC, etc., propose that the OCARC become a Special Services Club. COJ says that NGO is trying his luck 'on the River' tonite! And Dave expects a visit frm a G4 frm Fiji at the QTH this weekend! UC gets bk frm Chicago, and Dave thought HHC might hve cut the 15m coax while 'digging a hole fer his tower'! HHC is at AF6C's QTH tonite... Seems that Ken's family went wild wid the hedge trimmers, etc., and the 15m coax was severed! And wid HHC learning all abt cyphering, expect to see sum 'secret messages' appearing here & there in the future! AF6C suggests that VDP write an article fer 'RF' describing various surplus outlets, etc., like the MARVAC outlet in Guafiti, fer instance. IXN reports on BPX's relapse and return to the Garden Grove Med. Center, where Wyatt is in intensive care wid internal bleeding. RE says WZO, Fried, has been appointed to the Executive Board of ARRL... Right on, Fried!! RE & XYL are busy straightening out HMO problems, and getting new Social Security & Medicare cards fer the XYL!

1/24 2m phone net - W6ZE/IXN checks in BWH, QW, RE, AF6C, and VDP. After HQI & PMXs' talk at last Club meeting, IXN suggests that the Club rotate Net Controls! Since many of our members are in RACES, and, since Incident Commander rules hve changed, it becomes imperative that RACES members gain Net experience as quickly as possible. Rotating Net Control on Club Nets will quickly provide this experience! IXN has volunteered to continue taking Net Notes fer RF, thus relieving NCs of this burden! And OPs, THERE IS NO BETTER WAY TO LEARN THE CALLS OF FELLOW CLUB MEMBERS THAN BEING A NET CONTROL!! BWH airs Newsline, explaining the Keller Peak repeater problem, and giving locations fer future DX, etc. QW interests OPs wid news abt 80 channels fer CB in Germany, plus packet on CB, too! RE explains recent bad propogation wid 6 days of 'zero' sunspots. And Alex sends in his license renewal, including Navy Marine Corps MARS. RE tells us that Jay Halliday, EJJ, retires after 20 yrs on ARRL Board of Directors! VDP says 9 OPs checked in on 6m SSB last nite, and Larry's sick Harmonic, now bk to full oscillation, will be returning to school tomorrow!! AF6C, wid HHC at the QTH, 'flies in & flies out'!

1/31 15m phone net - W6ZE/AF6C checks in NGO, IXN, KE6YHX, COJ, & RE. NGO reports .5" to .75" of rain at the QTH. And AF6C has .85" of rain in the guage. IXN affirms that BPX' funeral will be at 1:00 pm tomorrow at Magnolia Memorial Park. IXN can't hear Corwin, KE6YHX, over in Orange. COJ loses the driver in the 930, so it's off to the RF doctor tomorrow! RE & XYL transfer their medicare frm SCAN HMO back to FHP! And Alex tells ZE abt a ham, KA6MWR, Robert Blake, on Red Hill, & asks Bob to send him an RF. Alex also describes a Govt. surplus outlet at El Toro Marine Base! ZE will send YHX a copy of RF, too. And Bob reminds all abt the Club Bfast this Sat. morning. NGO's 'phalanges of the anterior digits' are cooling off fast in the shack, so Kei retreats to the house to warm his feet!

OCARC BOARD MEETING
03-FEB-96

The OCARC Board Meeting was held on Saturday, 03-Feb-96 at the Wildflower Cafe in Santa Ana. All board members were present except: Chris (KJ6ZH), Frank (WA6VKZ) and John (KJ6TK).

Attendance at the meeting was 10.

The audit committee has not yet completed the audit of 1995 finances because of missing BOA statements.

Ken (W6HHC), reported that the program for the February meeting will be April Moell (WA6OPS) who will be speaking on Hospital Disaster Communications.

Tom (WA6PFA), reported that 27 members had paid so far in 1996 (we had 62 paid in 1995) The OCARC flyers that had been prepared by Jane(KC6TAM) are being distributed.

Bob(KD6BWH), reported that the club treasury had a total of \$455.16 in the bank.

New Business: The club started planning for FIELD DAY. The secretary will be requested to write a letter requesting permission to use the Tustin USMCAS(H) base this year. Cindy(KC6OPI) will look into holding a joint field day with the Red Cross in 1996. Discussion was held concerning where to hold field day after the Marine base closes. Suggestions included: Los Alamitos Navel Base, Los Alamitos Race Track, Cabrillo Park in Santa Ana and Bob Buss in-laws in Yucca Valley(100 miles), also Rancho Santiago College on Chapman.

Information for the club: A new visiter to the breakfast was a new ham, Russ Miller(KE6ZIL) of Orange.

Wyatt Berry(WB6BPX) passed away and was buried on 01-Feb-96 he was 90 years old.

Dorothy(W6IBP), the wife of past-president Al(W6IBR) is very weak after an operation in a Riverside Hospital.

Submitted by Ken(W6HHC). Acting for Secretary, Chris(KJ6ZH).

January Raffle Results

Howard Atwell	KA6CZI	Astralight
Bud Barkhurst	WA6VPP	Camera
Bob Buss	KD6BWH	World Radio Subscption
Jerry Morrison	KC7CUX	Electric Engraver
Chris Breller	KJ6ZH	WD40
Jane Breller	KC6TAM	Water Jug
Bob Buss	KD6BWH	Pen
Don Hughes	KE6ONZ	CD Rack
Bob Buss	KD6BWH	J Pole Antenna

Buy . Buy . Buy Tickets

ORANGE COUNTY AMATEUR RADIO CLUB
P.O. BOX 3454
TUSTIN, CA 92681
1996 APPLICATION/RENEWAL

DATE: _____
NAME: _____ CALL: _____
CLASS: NOVICE TECH TECH PLUS GENERAL ADVANCED EXTRA
ADDRESS: _____
CITY/ST/ZIP: _____
PHONE: _____ OK TO PUBLISH IN ROSTER? YES NO

DUES: (Prorated quarterly from January)

MEMBER (\$12/YR) S _____

FAMILY MEMBER (\$6/YR) S _____

NAME: _____

CALL: _____

CLASS: _____

FAMILY MEMBER (\$6/YR) S _____

NAME: _____

CALL: _____

CLASS: _____

FAMILY MEMBER (\$6/YR) S _____

NAME: _____

CALL: _____

CLASS: _____

TOTAL DUES: S _____

ARRL MEMBERSHIP: S _____

BADGE (\$5.00): S _____

TOTAL AMOUNT PAID: S _____

TREASURER PROCESSED: _____ MEMBERSHIP PROCESSED: _____

My ONLINE address #1 _____
#2 _____
#3 _____

Club Nets

Band	Mode	Day	Local Time	Freq. MHz	Net Control
15 Meters	SSB	Wednesday	8:00 PM	21.375*	AF6C
2 Meters	FM	Wednesday	8:30 PM	146.550 Simplex	WB6IXN

(Listen for W6ZE, Net Control)

*Plus or Minus QRM

General Meeting

February 16
March 15
April 19

General Meeting is the 3rd Friday of each month at 7:30 PM.
American Red Cross
601 N. Golden Circle Drive, Santa Ana, CA
Talk in Frequency 146.550 simplex
Major Cross Streets: Fourth St. & Tustin Ave.

Board Breakfast

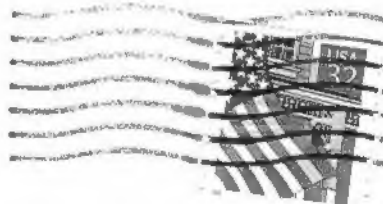
February 3
March 2
April 6

Board Meeting is the 1st Saturday of each month at 8:00 AM.
The Wildflower Restaurant - Members & Visitors are welcome.
Grand Ave., Santa Ana, CA
Exit the 5 freeway at 17th Street, go east to Grand Ave. Go
north on Grand; or exit the 22 freeway at Grand/Glasell. Go
South to restaurant.

Orange County Amateur Radio Club, Inc.
P.O. Box 3454
Tustin, CA 92681

First Class Mail

personal copy



YOUR

personal copy

Time Dated Material.
Please Rush!

